

## WEST Search History for Application 10506406

Creation Date: 2009042014:01

| Query  | DB   | Op. | Plur. | Thes. | Date       |
|--|------|-----|-------|-------|------------|
| (PAI-1) and (mutant)   | USPT | OR  | YES   |       | 08-18-2008 |
| ((PAI-1) and (mutant) ) and (A3 strand)  | USPT | OR  | YES   |       | 08-18-2008 |
| ((PAI-1) and (mutant) ) and (A4 strand)  | USPT | OR  | YES   |       | 08-18-2008 |
| ((PAI-1) and (mutant) ) and (A5 strand)  | USPT | OR  | YES   |       | 08-18-2008 |
| ((PAI-1) and (mutant) and (A5 strand) ) and ((PAI-1) and (mutant) and (A4 strand) )  | USPT | OR  | YES   |       | 08-18-2008 |
| ((PAI-1) and (mutant) and (A3 strand) ) and ((PAI-1) and (mutant) and (A5 strand) and (PAI-1) and (mutant) and (A4 strand) )   | USPT | OR  | YES   |       | 08-18-2008 |
| ((PAI-1) and (mutant) and (A3 strand) and (PAI-1) and (mutant) and (A5 strand) and (PAI-1) and (mutant) and (A4 strand) ) and (helix D)  | USPT | OR  | YES   |       | 08-18-2008 |
| swiercz.in.  | PGPB | OR  | YES   |       | 08-18-2008 |
| ((PAI-1) and (mutant) and (A3 strand) and (PAI-1) and (mutant) and (A5 strand) and (PAI-1) and (mutant) and (A4 strand) and (helix D) ) and (sulfhydryl group)   | USPT | OR  | YES   |       | 08-18-2008 |
| (disulfide bridge) and ((PAI-1) and (mutant) and (A3 strand) and (PAI-1) and (mutant) and (A5 strand) and (PAI-1) and (mutant) and (A4 strand) and (helix D) and (sulfhydryl group) )  | USPT | OR  | YES   |       | 08-18-2008 |
| swiercz.in.  | USPT | OR  | YES   |       | 08-18-2008 |
| (swiercz.in. ) and ((disulfide bridge) and (PAI-1) and (mutant) and (A3 strand) and (PAI-1) and (mutant) and (A5 strand) and (PAI-1) and (mutant) and (A4 strand) and (helix D) and (sulfhydryl group) )   | USPT | OR  | YES   |       | 08-18-2008 |
| ((disulfide bridge) and (PAI-1) and (mutant) and (A3 strand) and (PAI-1) and (mutant) and (A5 strand) and (PAI-1) and (mutant) and (A4 strand) and (helix D) and (sulfhydryl group) ) and (plasminogen activator inhibitor type-1)                       | USPT | OR  | YES   |       | 08-18-2008 |
| (cysteine or met) and ((disulfide bridge) and (PAI-1) and (mutant) and (A3 strand) and (PAI-1) and (mutant) and (A5 strand) and (PAI-1) and (mutant) and (A4 strand) and (helix D) and (sulfhydryl group) and (plasminogen activator inhibitor type-1) ) | USPT | OR  | YES   |       | 08-18-2008 |
|  | USPT | OR  | YES   |       | 08-18-2008 |

|  |      |    |     |  |            |
|--|------|----|-----|--|------------|
| ((cysteine) and ((disulfide bridge) and (PAI-1) and (mutant) and (A3 strand) and (PAI-1) and (mutant) and (A5 strand) and (PAI-1) and (mutant) and (A4 strand) and (helix D) and (sulfhydryl group) and (plasminogen activator inhibitor type-1) )   |      |    |     |  |            |
| ((cysteine) and (disulfide bridge) and (PAI-1) and (mutant) and (A3 strand) and (PAI-1) and (mutant) and (A5 strand) and (PAI-1) and (mutant) and (A4 strand) and (helix D) and (sulfhydryl group) and (plasminogen activator inhibitor type-1) ) and (position 31)  | USPT | OR | YES |  | 08-18-2008 |
| ((cysteine) and (disulfide bridge) and (PAI-1) and (mutant) and (A3 strand) and (PAI-1) and (mutant) and (A5 strand) and (PAI-1) and (mutant) and (A4 strand) and (helix D) and (sulfhydryl group) and (plasminogen activator inhibitor type-1) ) and (position 31 or 355 or 347 or 192 or 197 or 97)  | USPT | OR | YES |  | 08-18-2008 |
| ((cysteine) and (disulfide bridge) and (PAI-1) and (mutant) and (A3 strand) and (PAI-1) and (mutant) and (A5 strand) and (PAI-1) and (mutant) and (A4 strand) and (helix D) and (sulfhydryl group) and (plasminogen activator inhibitor type-1) and (position 31 or 355 or 347 or 192 or 197 or 97) ) and (longer in vivo half-life)                           | USPT | OR | YES |  | 08-18-2008 |
| ((cysteine) and (disulfide bridge) and (PAI-1) and (mutant) and (A3 strand) and (PAI-1) and (mutant) and (A5 strand) and (PAI-1) and (mutant) and (A4 strand) and (helix D) and (sulfhydryl group) and (plasminogen activator inhibitor type-1) and (position 31 or 355 or 347 or 192 or 197 or 97) and (longer in vivo half-life) ) and (prolonged half-life) | USPT | OR | YES |  | 08-18-2008 |
| PAI-1  | USPT | OR | YES |  | 02-26-2009 |
| (PAI-1 ) and (disulfide)   | USPT | OR | YES |  | 02-26-2009 |
| (PAI-1 and (disulfide) ) and (introduce disulfide bridges)   | USPT | OR | YES |  | 02-26-2009 |
| (PAI-1 and (disulfide) and (introduce disulfide bridges) ) and (urokinase activity)  | USPT | OR | YES |  | 02-26-2009 |
| (PAI-1 and (disulfide) and (introduce disulfide bridges) and (urokinase activity) ) and (sulfhydryl group)   | USPT | OR | YES |  | 02-26-2009 |
| (PAI-1 and (disulfide) and (introduce disulfide bridges) and (urokinase activity) and (sulfhydryl group) ) and (position 31 or postion 192)  | USPT | OR | YES |  | 02-26-2009 |
| (PAI-1 and (disulfide) and (introduce disulfide bridges) and (urokinase activity) and (sulfhydryl group) and (position 31 or postion 192) ) and (posiiton 347 or 97)   | USPT | OR | YES |  | 02-26-2009 |
| (PAI-1 and (disulfide) and (introduce disulfide bridges) and (urokinase activity) and (sulfhydryl group) and (position 31 or   | USPT | OR | YES |  | 02-26-2009 |

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| postion 192) and (posiiton 347 or 97) ) and (longer half-life)   |      |    |     |  |            |
| (PAI-1 and (disulfide) and (introduce disulfide bridges) and (urokinase activity) and (sulfhydryl group) and (position 31 or postion 192) and (posiiton 347 or 97) and (longer half-life) ) and (invovo half-life) | USPT | OR | YES |  | 02-26-2009 |
| swierez.in.  | USPT | OR | YES |  | 02-26-2009 |
| swiercz.in.  | PGPB | OR | YES |  | 02-26-2009 |
| (PAI-1)  | USPT | OR | YES |  | 04-20-2009 |
| ((PAI-1) ) and (mutant)  | USPT | OR | YES |  | 04-20-2009 |
| ((PAI-1) and (mutant) ) and (sulfhydryl group)   | USPT | OR | YES |  | 04-20-2009 |
| ((PAI-1) and (mutant) and (sulfhydryl group) ) and (cysteine)  | USPT | OR | YES |  | 04-20-2009 |
| ((PAI-1) and (mutant) and (sulfhydryl group) and (cysteine) ) and (disulfide bridges)  | USPT | OR | YES |  | 04-20-2009 |
| ((PAI-1) and (mutant) and (sulfhydryl group) and (cysteine) and (disulfide bridges) ) and (position 31 or 97 or 192 or 347 or 355)   | USPT | OR | YES |  | 04-20-2009 |
| swiercz.in.  | PGPB | OR | YES |  | 04-20-2009 |
| selman.in.   | PGPB | OR | YES |  | 04-20-2009 |
| jankun.in.   | PGPB | OR | YES |  | 04-20-2009 |
| (jankun.in. ) and (selman.in. )  | PGPB | OR | YES |  | 04-20-2009 |